

Converting Colors

$Y_{xy}(31.5211, 0.5365, 0.3580)$

Have a look what the booklet for
Yxy(31.5211, 0.5365, 0.3580)
contains.

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Color

Yxy(31.5903, 0.5365, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	FF6845
RGB	255, 104, 69
RGB Percent	100%, 41%, 27%
CMY	0.0000, 0.5921, 0.7293
CMYK	0.00, 0.59, 0.73, 0.00
HSL	11°, 100%, 64%
HSV	11°, 73%, 100%
XYZ	47.2621, 31.5903, 9.2410
YIQ	145.1590, 101.2310, 21.1270

Conversions

Conversions Part 2

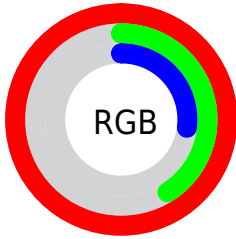
Format	Color
R_{YB}	255, 112, 69
Decimal	16738373
CIE Lab	63.00, 55.59, 48.32
CIE LCh	63, 73.656, 40.997
Yxy	31.5903, 0.5365, 0.3586
Android (android.graphics.Color)	4294928453 (0xFFFF6845)
YUV	145.1590, -37.5464, 96.3306
Hunter-Lab	56.2052, 51.7387, 29.5955

Details

The Yxy color **31.5903, 0.5365, 0.3586** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **59.6703, 0.2201, 0.2849**, and the grayscale version is **28.5120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7335, 0.4446, 0.3714**, and **13.1635, 0.5980, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **27.6713, 0.5759, 0.3557**, and if you desaturate by 10%, it is **36.6716, 0.4940, 0.3582**.

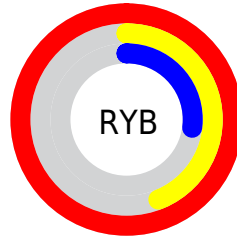
Distribution



Red (100%)

Green (41%)

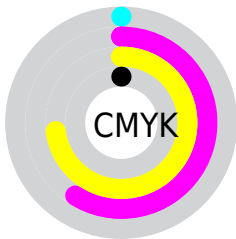
Blue (27%)



Red (100%)

Yellow (44%)

Blue (27%)

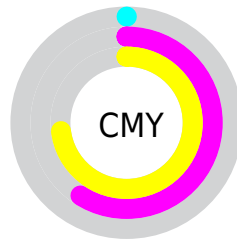


Cyan (0%)

Magenta (59%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (59%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5903, 0.5365, 0.3586 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 31.5903, 0.5365, 0.3586 by changing the saturation by 10% instead.


 31.5903, 0.5365,
0.3586


 31.5903, 0.5365,
0.3586


309.2487, 0.4207,
0.3550

 21.0488, 0.5641,
0.3550


 62.1683, 0.4948,
0.3605

 13.1596, 0.5977,
0.3475


 82.9735, 0.4789,
0.3603


 7.5386, 0.6396,
0.3338


 107.9687, 0.4654,
0.3596

 3.8011, 0.6913,
0.3087

 137.5383, 0.4539,
0.3588

 1.5630, 0.7413,
0.2587

 172.0667, 0.4439,
0.3579

 0.3324, 0.8560,
0.1440

211.9383, 0.4351,

 0.0000, 1.0000,

0.3569

0.0000

257.5375, 0.4275,
0.3559

0.0000, 0.0000,
0.0000

31.5903, 0.5365,
0.3586

31.5903, 0.5365,
0.3586

27.6713, 0.5759,
0.3557

36.6716, 0.4940,
0.3582

24.8142, 0.6070,
0.3495

42.9938, 0.4530,
0.3553


23.3700, 0.6225,
0.3440

50.6347, 0.4161,
0.3509

59.6640, 0.3844,
0.3458

70.1464, 0.3577,
0.3405

 82.1427, 0.3356,
0.3353

 95.7099, 0.3174,
0.3304

99.9978, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.5903, 0.4868, 0.2874



31.5903, 0.5365, 0.3586



31.5903, 0.5084, 0.4361

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.5903, 0.5365, 0.3586



31.5903, 0.2292, 0.4791



31.5903, 0.1795, 0.1673

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.5903, 0.5365, 0.3586



59.6703, 0.2201, 0.2849

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.5903, 0.1383, 0.1811



31.5903, 0.5365, 0.3586



31.5903, 0.1587, 0.3417

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.5903, 0.5365, 0.3586



31.5903, 0.3288, 0.5475



31.5903, 0.1306, 0.2345



31.5903, 0.2594, 0.1833

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.5903, 0.5365, 0.3586



31.5903, 0.4595, 0.4889



31.5903, 0.1306, 0.2345



31.5903, 0.1617, 0.1683

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.5921, 0.5365, 0.3586



71.2039, 0.3555, 0.3400



30.7322, 0.3560, 0.1940



14.5924, 0.3621, 0.3414



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.5921, 0.5365, 0.3586



26.0988, 0.5930, 0.3529



61.2130, 0.4516, 0.4453



18.5399, 0.3290, 0.3335



12.3697, 0.6201, 0.3458



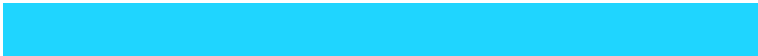
1.3445, 0.6000, 0.3618

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



59.6703, 0.2201, 0.2849



54.9811, 0.2114, 0.2745



23.9016, 0.1883, 0.1595



19.8661, 0.2980, 0.3244



27.3032, 0.2076, 0.2674



2.8015, 0.2098, 0.2752

Previews

White Background



This preview shows how the Yxy color 31.5903, 0.5365, 0.3586 looks on a white background.

Color Contrast Check

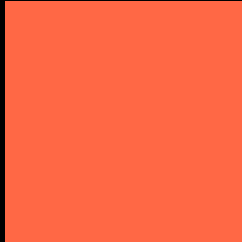
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 31.5903, 0.5365, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5903, 0.5365, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 31.5903, 0.5365, 0.3586.



This preview shows how white text looks on a background with the Yxy color 31.5903, 0.5365, 0.3586.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.5903, 0.5365, 0.3586

Protanopia

31.7632, 0.3936, 0.4285

Deuteranopia

31.5242, 0.4446, 0.4356



Tritanopia

31.6289, 0.4972, 0.3240

Trichromacy



Original Color

31.5903, 0.5365, 0.3586

Protanomaly

30.1718, 0.4489, 0.3996

Deuteranomaly

30.6203, 0.4823, 0.4033

Tritanomaly

31.5531, 0.5134, 0.3377

Monochromacy



Original Color

31.5903, 0.5365, 0.3586

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.5639, 0.3936, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5903, 0.5365, 0.3586 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 104, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 69)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 104, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 69) }
```

Border

The CSS property to change the border of an element to Yxy 31.5903, 0.5365, 0.3586 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 104, 69) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 104, 69) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 104, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5903, 0.5365, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 69) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
104, 69) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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